ABSTRACT OF THE DISCLOSURE

A negative active material for a lithium secondary battery includes a graphite-like carbon material having an intensity ratio I(110)/I(002) of an X-ray diffraction peak intensity I(002) at a (002) plane to an X-ray diffraction peak intensity I(110) at a (110) plane of less than 0.2. The negative active material prepared by dissolving a coar tar pitch or a petroleum pitch in an organic solvent to remove insoluble components therefrom, heat-treating the pitch at a temperature in the range of 400 to 450 ℃ for 4 hours or more under an inert atmosphere to thereby produce at least 50 weight percent of mesophase particles based on the pitch, coking the pitch including mesophase particles, carbonizing the coked pitch, pulverizing the carbonized pitch; and graphitizing the pulverized pitch.